


DEC 13 2006

<b>FAX COVER SHEET</b>			
<b>PLEASE CONFIRM RECEIPT OF THIS FACSIMILE</b>		<b>DIRECTV</b>	
Attn:	MAIL STOP AF Group Art Unit: 2613 Examiner: PAYNE, David C. Examiner's Supervisor: VANDERPUYE, Kenneth	Fax:	(571) 273-8300
UNITED STATES PATENT AND TRADEMARK OFFICE		Phone:	(571) 272-3024
		Alt Phone:	(571) 272-3078
Pages:	Cover + 1 + 1 + 1 + 12 = 16	Date:	December 13, 2006
From:	Georgann S. Grunebach	Fax:	(310) 964-0941
	Assistant General Counsel	Phone:	(310) 964-4615

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**CERTIFICATION OF FACSIMILE TRANSMISSION UNDER 37 CFR 1.8**

I hereby certify that this correspondence identified below is being facsimile transmitted to (571) 273-8300 (Centralized Facsimile Number), addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on December 13, 2006.

Telephone No. (310) 964-4615

  
 Georgann S. Grunebach, Reg. No. 33,179  
 (Printed Name of Person Signing Certificate)

December 13, 2006  
 (Date of Signature)

Attention: Commissioner for Patents

Attorney Docket No. PD-990309

Please find attached Re:

Serial No.: 09/732,837

Filing Date: December 7, 2000

- TRANSMITTAL FORM PTO/SB/21 (1 page)
- FEE TRANSMITTAL FORM PTO/SB/17 (1 page in duplicate)
- RESPONSE TO OFFICE ACTION DATED NOVEMBER 20, 2006 (12 pages)

If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 964-0735.

The DirecTV Group, Inc., CA/LA1/A109, P. O. Box 956, El Segundo CA 90245

DEC 13 2006

PTO/SB/21 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

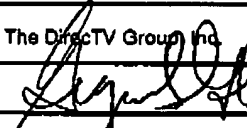
Total Number of Pages in This Submission 16

Application Number	09/732,837
Filing Date	December 7, 2000
First Named Inventor	John T. Austin
Art Unit	2813
Examiner Name	PAYNE, David C.
Attorney Docket Number	PD-890309

**ENCLOSURES (Check all that apply)**

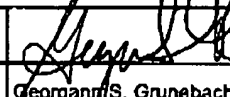
- |   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input checked="" type="checkbox"/> Amendment/Reply<br><input checked="" type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board<br>of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC<br>(Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please identify<br>below): |
| Remarks _____   |  |   |

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	The DirectTV Group, Inc.		
Signature			
Printed name	Georgann S. Grunebach		
Date	December 13, 2006	Reg. No.	33,179

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Georgann S. Grunebach	Date	December 13, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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DEC 13 2006

PTO/SB/17 (07-06)

Approved for use through 01/31/2007. OMB 0651-0032

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2006**☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) \$450

**Complete if Known**

Application Number	09/732,837
Filing Date	December 7, 2000
First Named Inventor	John T. Austin
Examiner Name	PAYNE, David C.
Art Unit	2613
Attorney Docket No.	PD-990309

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 50-0383 Deposit Account Name: The DIRECTV Group, Inc.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims      Extra Claims      Fee (\$)

19 - 20 or HP = 9 x \$50 = \$450

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims      Extra Claims      Fee (\$)

- 3 or HP = 3 x 200 = 600

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets      Extra Sheets      Number of each additional 50 or fraction thereof      Fee (\$)

100 - 100 = 0 / 50 = 0 (round up to a whole number) x \$125 = \$0

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge):

Fees Paid (\$)

**SUBMITTED BY**

Signature	Registration No. 33,179	Telephone 310-984-4615
Name (Print/Type) Georgann S. Grunebach		Date December 13, 2006

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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(date of facsimile transmission)

Georgann S. Grunebach (Name of Registered Representative)

  
Reg. No. 33,179

(Signature) December 13, 2006  
(Date of Signature)

Customer Number 020991

*Patent*  
**PD-990309**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

John T. Austin

Serial No. 09/732,837

Group Art Unit: 2613

Filed: 12/07/2000

Examiner: Payne, David C.

For: HYBRID SATELLITE AND FIBER COMMUNICATION SYSTEM

**AMENDMENT AFTER FINAL**

Mail Stop AF  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated November 20, 2006, please enter the following remarks.

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 6 of this paper.

12/14/2006 TL0111 00000041 500383 09732837

01 FC:1202 450.00 DA